COMPRO TECHNOLOGY

DATASHEET

# TN920W

## 2 Megapixel, WiFi, PTZ, Day & Night, H.264 , Cloud Network Camera

- 2 Megapixel / HD resolution
- Motorized Pan / Tilt control from smartphone / tablet
- 10x digital zoom
- Day / Night functionality with built-in IR-cut filter and IR LEDs
- Dual H.264/MJPEG video stream
- Exclusive C4Home cloud app
- microSDHC slot for storing event snapshots and recordings
- Push Notification and Audio Alarm
- Air Firmware Update
- Share video and private mode
- Dropbox cloud storage support
- Smart Motion & Audio Detection
- Smartphone two-way audio
- Upgradable I/O module
- Bundles Compro 802.11 b/g/n wireless adapter

**Compro TN920W camera offers an advanced pan and tilt mechanical design, 2 megapixel video, WiFi connection, with the latest cloud technology and super easy QR code cloud installation, let you install camera and start monitoring from your smartphone or tablet just in seconds. It's an ideal choice for securing homes, warehouses, restaurants, hotel lobbies, or any locations where there is a need to follow people or objects.**

### Easy Installation and Setup

The camera is so easy to set up that even novice users can complete the setup in seconds. Unlike other network cameras, installing this camera does not require any networking expertise. Nor is any sort of router setup required - simply plug-in the cables, scan QR code for mobile app and camera install, and then your TN920W camera is ready to be viewed and shared on the Internet.

### High Quality 2 Megapixel/HD Image

With HD technology, TN920W lets you view details and identify people and objects at least three times better than the on a conventional CCTV camera. The megapixel resolution allows TN920W to capture video from a wide area, effectively reducing the number of cameras required in building a reliable video surveillance network.

### 802.11n Wireless Connectivity

Bundles Compro 802.11 b/g/n wireless adapter to reduces the cable clutter and lets you conveniently install the camera.

### Exclusive Mobile App and PTZ Control

You can download the exclusive and feature-rich C4Home camera app to live view, mobile 340° pan and 100° tilt control and manage cameras from your iPhone® or Android devices. Also, the free C4Home mobile app enables you to securely share camera video with your friends and families on your friends list.

### Two-way Audio Communication

TN920W provides two-way audio support via a built-in microphone and an audio jack for external speaker, allowing you to eavesdrop on the monitored area or broadcast your voice to intruders all from the comfort of your home computer or smartphone.

### True Day & Night Functionality for 24/7 Surveillance

TN920W features a unique design of its class integrating a professional-grade ambient light sensor and IR LEDs for round-the-clock surveillance under any lighting condition. The light sensor detects environmental lighting conditions. When in low-light conditions, the 12 built-in IR LEDs are automatically switched on to provide additional infrared light that help deliver clear night-time image.

### Intelligent Home Surveillance Solution

Not just cloud monitoring, TN920W offers a wealth of applications to provide an intelligent surveillance solution, such as iWizard and WebVUer. iWizard is a smart installer to turn the complicated network camera installation into a simple and fast process. WebVUer is an intuitive IE-based video management software loaded with all the key features for trouble-free remote monitoring.

## CAMERA

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| **Image Sensor** | 1/3" CMOS Megapixel sensor |
| **Lens** | • Focal Length: 4.0 mm<br>• Max Aperture Ratio: F1.5<br>• Fixed iris |
| **Angle of View** | 60° horizontal |
| **Pan Range** | -170° ~ +170° total of 340 degree |
| **Tilt Range** | -10° ~ +90° total of 100 degree |
| **Max Speed** | Pan 90°/sec., Tilt 70°/sec. |
| **Zoom** | 10x digital zoom |
| **Focusing Range** | 0.5m ~ INF |
| **Minimum Illumination** | • IR Mode: 0 lux with built-in IR LEDs on (12 LEDs in total; effective distance up to 10m)<br>• Color Mode: 1.0 lux |
| **Shutter Time** | 1/5 ~ 1/16000 Sec. |

## VIDEO

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| **Video Compression** | H.264 ( MPEG-4 Part 10), Motion JPEG |
| **Resolutions** | 160x120, 320x240, 640x480, 1280x720, 1280x1024, 1600x1200 |
| **Frame Rate** | • WebVUer up to 15 FPS at 1600 x 1200 (UXGA)<br>• C4Home App up to 30 FPS at 640 x 480 |
| **Video Streaming** | Dual video stream |
| **Image Settings** | • Adjustable image size and quality<br>• AGC, AWB, AES<br>• Configurable brightness, saturation and sharpness |

## AUDIO

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| **Audio Communication** | Two-way audio with built-in MIC (S/N ratio 58 dB, 50-10000hz ) |
| **Audio compression** | G.711 PCM 64Kbit/sec |
| **Audio input / output** | MIC input / Audio output |

## NETWORK

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| **Wireless LAN** | Bundles Compro 802.11 b/g/n wireless adapter |
| **Security** | • User name / password protection<br>• WEP/WPA/WPA2 encryption (wireless network) |
| **Supported Protocols** | TCP/IP, HTTP, UDP, FTP, ICMP, ARP, DHCP, NTP, DDNS, DynDNS, UPnP, RTP, RTSP, RTCP, SMTP, IGMP, 3GPP, IPv4, 802.1x |
| **Ethernet** | 10/100 Base-T, autosensing, RJ-45 |

## FIRMWARE

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| **Firmware** | • Support UPnP<br>• Support online firmware update |

## WEB BROWSER

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| **Internet Explorer (ActiveX)** | • Remotely view camera video, pan/tilt camera, and adjust camera settings<br>• 2-way audio communication<br>• Recording and capture snapshots |
| **Supported Viewing Devices** | • PC, laptop, tablet, nettop with IE8<br>• iPhone®/iPad, BlackBerry, Android™, WM, PDA, or cell phones with web browser (MJPEG mode)<br>• Mac OS 10.6 (Live view in M-JPEG mode only) |

## MOBILE MONITOR

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|---|---|
| **C4Home App** | Free mobile applications for iPhone and Android<br>• Motion/audio detection and push notification<br>• Private mode and audio alarm<br>• Mobile pan/tilt, digital zoom control and camera preset point setup<br>• Air firmware update<br>• Dropbox cloud storage for event snapshot<br>• SD card playback for event recording<br>• Share video to others<br>• Watch 4 channels at the same screen (Android only, not support iOS) |
| **MJPEG Mode** | Viewing of camera image via phone browsers |
| **3GPP Mode** | Viewing of camera image via 3G phones (3GPP Streaming) |

## GENERAL

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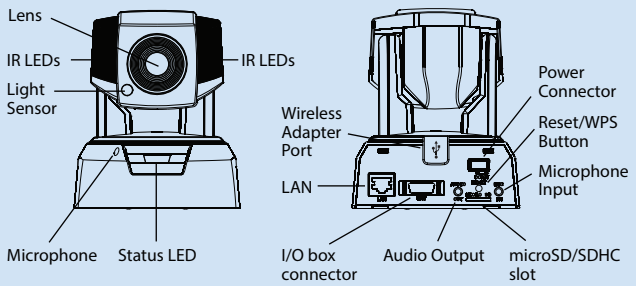
|---|---|
| **Video Surveillance** | Free bundles ComproView 32-channels video management software |
| **Local Storage** | microSD/SDHC card slot (supports local storage of snapshots and video recordings) |
| **I/O Connection** | Built-in SCSI connector for Compro CM500, CM600 digital I/O box connection (Optional) |
| **Operating Condition** | 0 °C ~ 40 °C (32 °F ~ 104 °F) |
| **Certification** | CE, FCC |
| **Power Supply** | DC 12V / 2A |
| **System Requirements** | • Computer with 2.8GHz Dual-Core processor and 2GB memory or above<br>• Supported Operating Systems: Windows XP SP3, Vista SP1, Windows 7, Windows 8, Mac OS 10.6 (Live view in M-JPEG mode only) |
| **Package Contents** | • Network camera<br>• Software CD (manual included)<br>• Quick installation guide<br>• Power adapter and power cable<br>• Wall plate<br>• Ethernet cable<br>• Screws for ceiling mounting<br>• Screw mount<br>• Camera pads<br>• USB wireless adapter |
| **Dimensions** | 105.1 x 150.4 x 125.5 mm |

## Hardware Overview




## Optional Accessory

### CM500
### Digital I/O Expansion Box

- Connects with various sirens and alarms
- 15-pin connectors: input (2-pin) x3, output (3-pin) x3
- Box dimensions: 104 x 60 x 27 mm
- Connection cable length: 100 cm

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